

SWP Weekly Water Quality Summary

October 28 to November 3, 2009

Electrical Conductivity: Concentrations increased at Harvey O. Banks Pumping Plant (HBP), but decreased at Check 41, Devil Canyon, Barker Slough and Vallecitos, from October 28 to November 3, 2009. Concentrations ranged from 275 $\mu\text{S}/\text{cm}$ to 578 $\mu\text{S}/\text{cm}$ (165 mg/L to 347 mg/L), below the Article 19 Monthly Average Objective of 440 mg/L (733 $\mu\text{S}/\text{cm}$). As of November 3, the lowest concentration of 275 $\mu\text{S}/\text{cm}$ occurred at Barker Slough while the highest concentration of 541 $\mu\text{S}/\text{cm}$ occurred at Devil Canyon. EC concentrations at HBP increased slightly from 388 $\mu\text{S}/\text{cm}$ to 414 $\mu\text{S}/\text{cm}$ as of November 3, 2009.

Bromide: Concentrations exceeded the California Bay Delta Authority (CBDA) Objective of 0.05 mg/L at all locations. Concentrations ranged from 0.09 mg/L to 0.30 mg/L. As of November 3, Barker Slough had the lowest concentration of 0.09 mg/L, while the highest concentration of 0.27 mg/L occurred at Devil Canyon. Concentrations at HBP increased slightly from 0.15 mg/L to 0.17 mg/L this week. Bromide concentrations are calculated values using linear regression equations using EC concentrations and are not as accurate as bromide concentrations from laboratory analysis.

Turbidity: From October 28 to November 3, turbidity levels decreased at HBP, Check 41, Bakers Slough and Vallecitos, but increased at Devil Canyon. Turbidity levels ranged from 1.6 NTU to 117 NTU during the week. As of November 3, 2009, the lowest level of 2.0 NTU occurred at Devil Canyon while the highest level of 78.5 NTU occurred at Barker Slough. As of November 3, the levels at HBP decreased drastically from 117 NTU to 9.8 NTU.

Dissolved Organic Carbon (DOC): Concentrations increased from 1.7 mg/L to 2.1 mg/L at HBP and from 4.1 mg/L to 4.8 mg/L at Edmonston. Concentrations remained unchanged at 2.7 mg/L at Check 13 as of November 3, 2009.

Taste and Odor Compounds: MIB and geosmin data collected from October 28 to November 3 ranged from ND to 41 ng/L at Check 66, Lake Mathews, Silverwood Lake and Lake Perris. The highest of 41 mg/L occurred at Lake Perris as of November 3, 2009.

Ground water pump-ins to the California Aqueduct during October 28 to November 3, 2009 totaled 9,631 AF. The break down of the total volume was:

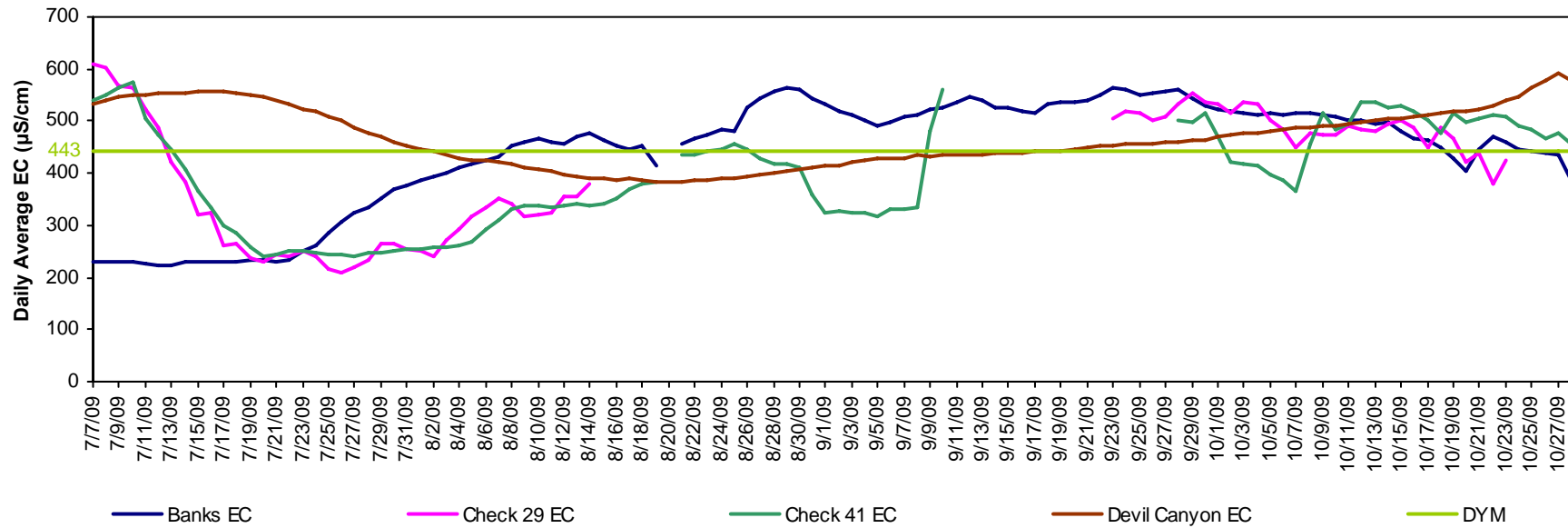
- Arvin Edison Water Storage District = 1,393 AF
- Kern Water Bank Authority (who operate the Kern Water Bank Canal) = 2,351 AF
- Kern County Water Agency (who operate the Cross Valley Canal) = 4,072 AF
- Semi-tropic Water Storage District = 1,582 AF.
- Wheeler Ridge Maricopa Water Storage District = 233 AF.

As of October 21, 2009, no data were available for Check 29 due to malfunctioning instruments.

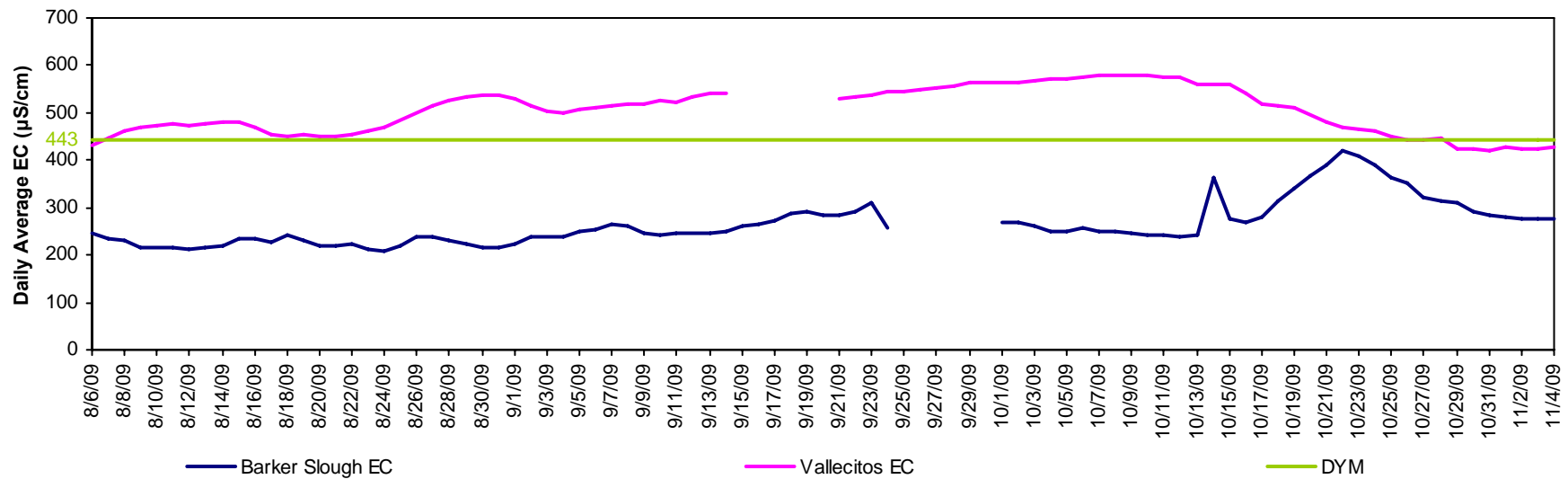
The intent of the weekly water quality (WQ) summary is to acquaint contractors, scientists and interested parties with the status of water quality in the State Water Project (SWP). Your comments, questions and suggestions are welcome and can be directed to Cindy Garcia @ 916-653-7213, or Austine Eke @ 916-653-7227. To view WQ data from the automated stations along the SWP, visit: http://www.water.ca.gov/swp/waterquality/AutostationData/Autostation_map.cfm, and click on a station name on the map to link to the station's data on the California Data Exchange Center (CDEC) website.

To view the Edmondston's daily AF pumping data, visit: www.water.ca.gov. Click on the "State Water Project" tab, and click on the "Operations Control" link. Look under the "Project-Wide Operations" header for the "Dispatcher's Daily Water Report."

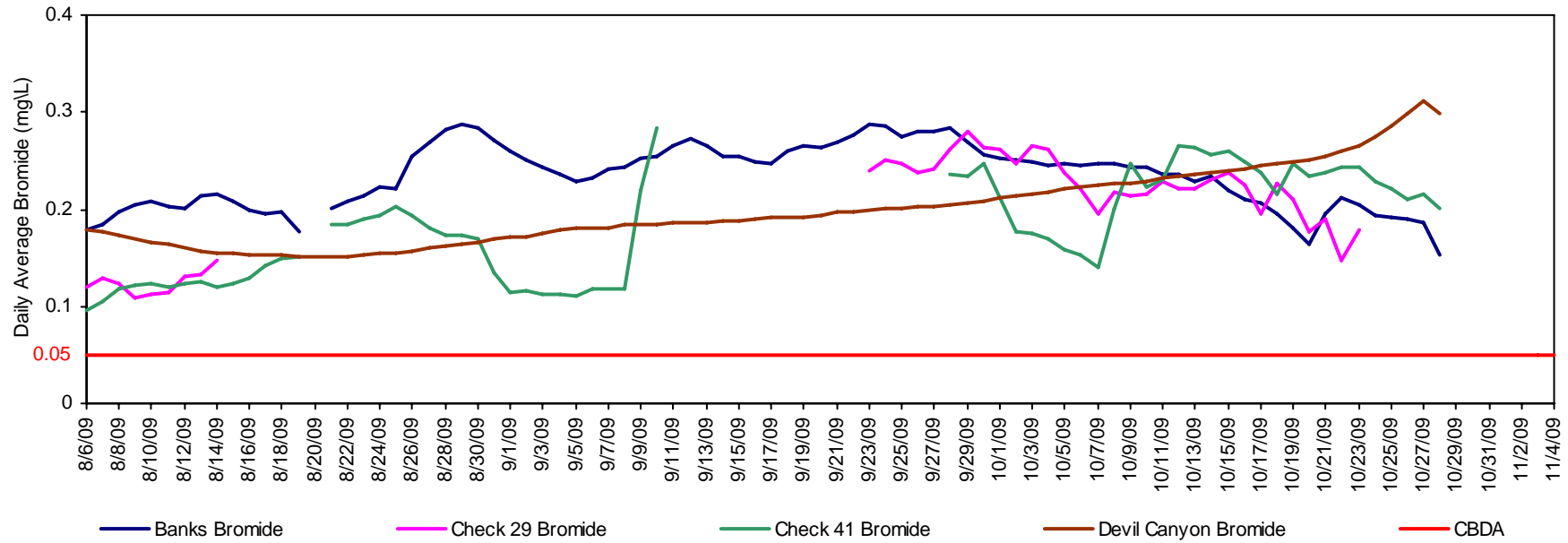
California Aqueduct - Electrical Conductivity



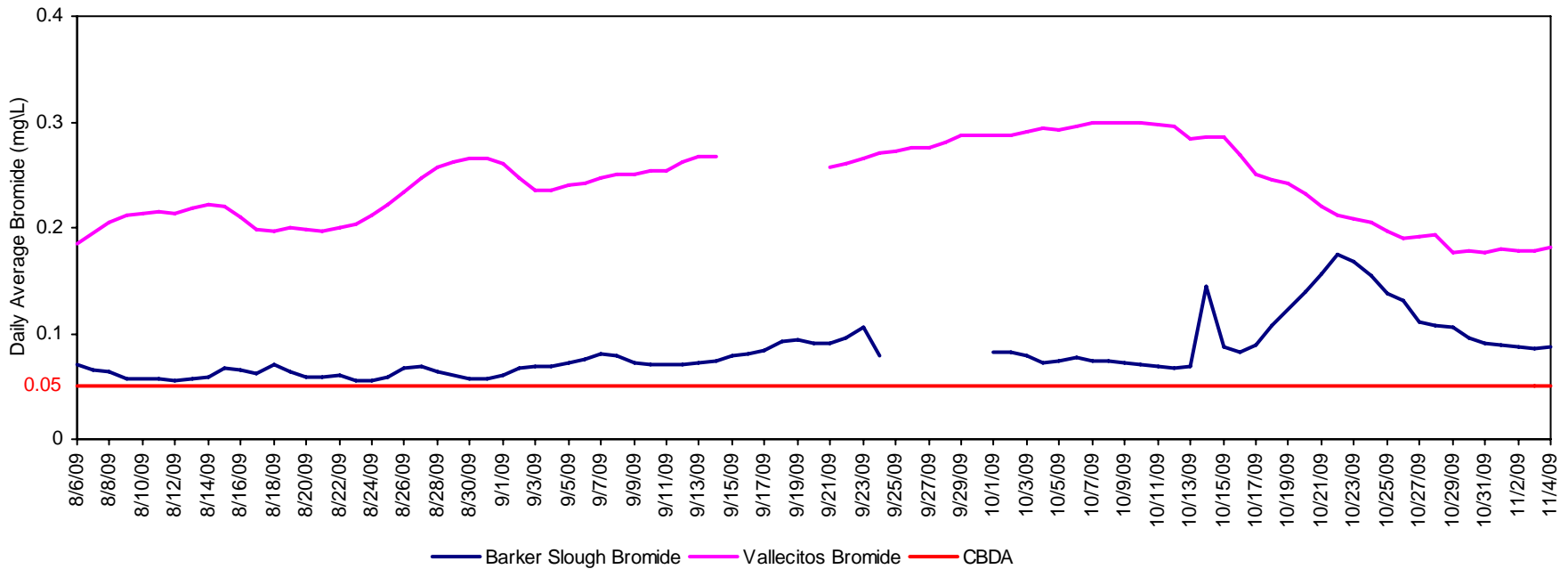
North and South Bay Aqueduct - Electrical Conductivity



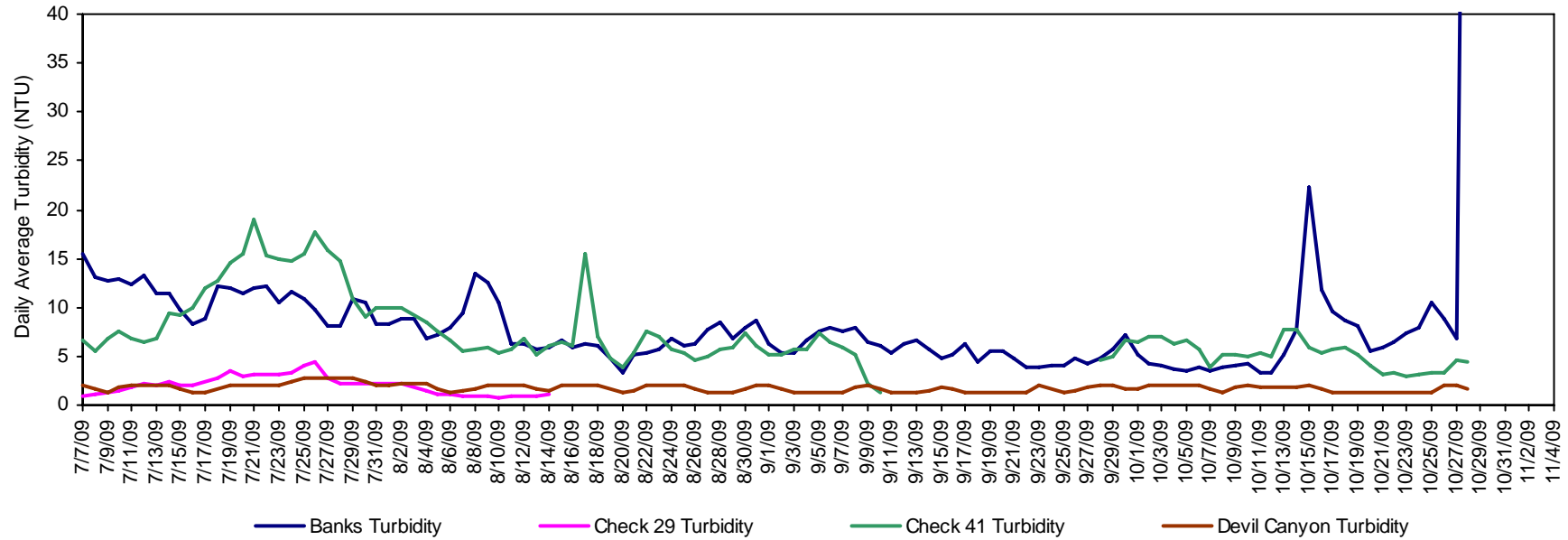
California Aqueduct - Calculated Bromide



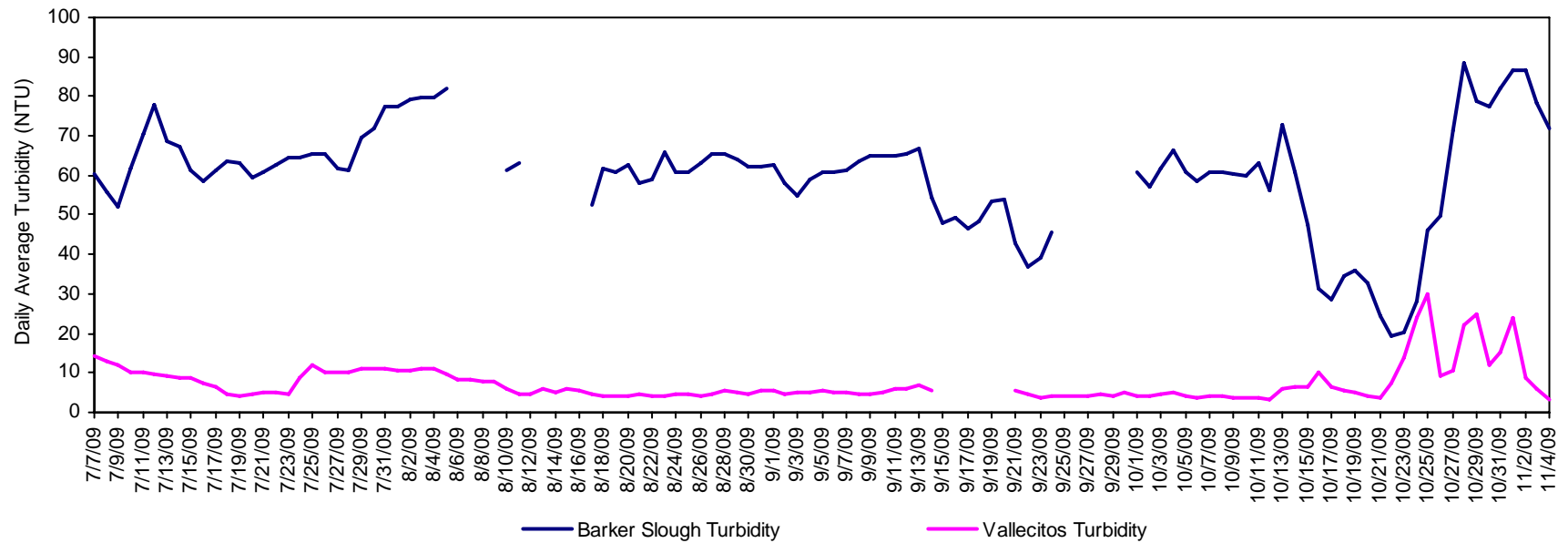
North and South Bay Aqueduct - Calculated Bromide



California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity



California Aqueduct Calculated Dissolved Organic Carbon

